

What is claimed is:

- 10032324-12001
1. A sealable connector, comprising:
 - a first connector portion;
 - a second connector portion adapted to engage the first connector portion;
 - a compliant material disposed between the first and second connector portions;and
 - a fastening mechanism that secures the first connector portion to the second connector portion, such that a force applied upon the compliant material by the respective first and second connector portions can be adjusted.
 2. A sealable connector, comprising:
 - a first connector portion;
 - a second connector portion adapted to engage the first connector portion;
 - a compliant material disposed between the first and second connector portions;and
 - an adjustable fastening mechanism that secures the first connector portion to the second connector portion, the fastening mechanism including means for adjusting a force applied upon the compliant material by the respective first and second connector portions.
 3. The connector of claim 1, wherein the first connector portion comprises a cup shaped body that defines a cavity, the body having a bottom surface.

4. The connector of claim 3, wherein the second connector portion comprises a cap adapted to fit at least partially within the body cavity.
5. The connector of claim 4, further comprising a contact member extending from the body bottom surface, and a through hole in the cap, wherein the contact member aligns with the through hole when the cap engages the body.
6. The connector of claim 1, wherein the fastening mechanism comprises a ratchet.
7. The connector of claim 1, wherein the fastening mechanism comprises a latch, the latch comprising a tooth on one of the first or second connector portions, the fastening mechanism further comprising a groove on the other of the first or second connector portions, wherein the tooth is adapted to engage the groove.
8. The connector of claim 1, wherein the fastening mechanism comprises a spring biased member.
9. The connector of claim 1, wherein the first and second connector portions, when engaged, form a connection device adapted to mate with a complementary connector.
10. The connector of claim 1, wherein the compliant material forms an environmental seal between the first and second connector portions, when the respective connector portions are engaged.

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11. A sealable connector, comprising:

a cup shaped body defining a cavity, the body having a bottom surface;
a cap adapted to engage the body cavity;
an aperture in the cap, the aperture adapted to receive a contact terminal;
a compliant material disposed between the body and the cap; and
a fastening mechanism that secures the body to the cap, such that a force applied upon the compliant material by the body and the cap can be adjusted.

12. The connector of claim 11, wherein the aperture and contact terminal form a female connection device.

13. A sealable connector, comprising:

a cup shaped body defining a cavity, the body having a bottom surface;
a cap adapted to engage the body cavity, the cap including an aperture;
a contact terminal adapted to extend from the body bottom surface, the contact terminal adapted to align with, and pass through, the aperture;
a compliant material disposed between the body and the cap; and
means for maintaining a consistent pressure on the compliant material, such that the compliant material maintains a substantial seal between the cap and the body.

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14. A sealable connector, comprising:

a cup shaped body defining a cavity, the body having a bottom surface;

a cap adapted to engage the body cavity;

a plurality of apertures in the cap, the apertures adapted to receive a plurality of contact terminals;

a compliant material disposed between the body and the cap; and

a fastening mechanism that secures the body to the cap such that a force applied upon the compliant material by the body and the cap can be adjusted.

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